WES'

Freeform Search

Database:	US Patents Full-Text Database US Pre-Grant Publication Full-Text Database JPO Abstracts Database EPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins ▲
Term:	13 and degus\$3.as.
Display: Generate:	10 Documents in Display Format: - Starting with Number 1 O Hit List • Hit Count O Side by Side O Image
	Search Clear Help Logout Interrupt
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DATE: Friday, November 21, 2003 Printable Copy Create Case

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DB = U	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR		
<u>L5</u>	13 and degus\$3.as.	16	<u>L5</u>
<u>L4</u>	L3 and (degus\$3).as. or degus\$3.asnm.	1779	<u>L4</u>
<u>L3</u>	L2 and (prepar\$5 or proces\$3 or produc\$4)	21	<u>L3</u>
<u>L2</u>	L1 and (panb\$3 or pand\$3 or panc\$3 or ilvd\$3)	21	<u>L2</u>
<u>L1</u>	PANTOTH\$5 AND (CORYNEFOR\$4 OR GLUTAMICu\$4 OR CORYNEBACTe\$5) AND (poxb\$3 or (pyruvat\$3 same oxidas\$4))	57	<u>L1</u>

END OF SEARCH HISTORY

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Print

Search Results - Record(s) 1 through 10 of 16 returned.

1. Document ID: US 20030124682 A1

L5: Entry 1 of 16

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124682

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124682 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE

Witteck, Birgit Rieping, Mechthild Dissen Bielefeld DE DE

US-CL-CURRENT: <u>435/106</u>; <u>435/193</u>, <u>435/252.33</u>, <u>435/320.1</u>, <u>435/69.1</u>

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	k504C	Drawi Desc
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2. Document ID: US 20030124681 A1

L5: Entry 2 of 16

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124681

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124681 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE

Witteck, Birgit

Dissen

DE

Rieping, Mechthild

Bielefeld

DE

US-CL-CURRENT: <u>435/106</u>; <u>435/252.3</u>, <u>435/320.1</u>, <u>435/488</u>, <u>435/69.1</u>

. Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Desc | Image |

3. Document ID: US 20030119151 A1

L5: Entry 3 of 16

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119151

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030119151 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE DE

Witteck, Birgit Rieping, Mechthild Dissen Bielefeld

DE

US-CL-CURRENT: <u>435/106</u>; <u>435/193</u>, <u>435/252.33</u>, <u>435/320.1</u>, <u>435/69.1</u>

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Image |

KWMC | Draww Desc

4. Document ID: US 20030109012 A1

L5: Entry 4 of 16

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109012

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030109012 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE

Witteck, Birgit

Dissen

DE

Rieping, Mechthild

Bielefeld

DE

US-CL-CURRENT: <u>435/106</u>; <u>435/252.33</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWIC Draw Desc Image 5. Document ID: US 20030104583 A1

L5: Entry 5 of 16

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030104583

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030104583 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME CITY

STATE COUNTRY

RULE-47

Hermann, Thomas Witteck, Birgit Bielefeld Dissen

DE DE

Rieping, Mechthild

Bielefeld

DE

Kruse, Daniela

Bielefeld

DE

US-CL-CURRENT: 435/106; 435/252.33, 435/320.1, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWMC | Draww Desc

____ 6. Document ID: US 20030100081 A1

L5: Entry 6 of 16

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100081

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100081 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE

Witteck, Birgit

Dissen

DE

Rieping, Mechthild

Bielefeld

DE

US-CL-CURRENT: 435/106; 435/193, 435/252.33, 435/320.1, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC | Draww Desc

7. Document ID: US 20030100080 A1

L5: Entry 7 of 16

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100080

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100080 A1

TITLE: Nucleotide sequences which code for the sahH gene

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME CITY **STATE COUNTRY** RULE-47 Farwick, Mike Bielefeld DE Huthmacher, Klaus Gelnhausen DE Brehme, Jennifer Bielefeld DE Pfefferle, Walter Halle DE Binder, Michael Steinhagen DE Greissinger, Dieter Niddatal DE Thierbach, Georg Bielefeld DE

US-CL-CURRENT: <u>435/106</u>; <u>435/252.33</u>, <u>435/320.1</u>, <u>435/69.1</u>, <u>536/23.2</u>

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3. Document ID: US 20030092138 A1

L5: Entry 8 of 16

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092138 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47
Hermann, Thomas Bielefeld DE

Witteck, Birgit Dissen DE Rieping, Mechthild Bielefeld DE

US-CL-CURRENT: 435/106; 435/193, 435/252.33, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC Drawn Desc
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L5: Entry 9 of 16

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087404

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087404 A1

TITLE: <u>Process for the preparation</u> of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Hermann, Thomas

Bielefeld

DE

Witteck, Birgit

Dissen

DE

Rieping, Mechthild

Bielefeld

DE

US-CL-CURRENT: 435/160; 435/194, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation Fron	t Review	Classification	Date	Reference	Sequences	Attachments	KWWC Draww Desc
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L5: Entry 10 of 16

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030073204

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030073204 A1

TITLE: Process for the manufacture of D-pantothene acid and/or its salts by fermentation

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Rieping, Mechthild

Bielefeld

DE

US-CL-CURRENT: <u>435/106</u>; <u>435/252.33</u>

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Search Results - Record(s) 11 through 16 of 16 returned.

☐ 11. Document ID: US 20030064485 A1

L5: Entry 11 of 16

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030064485

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030064485 A1

TITLE: Process for the preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY RULE-47

Hermann, Thomas

Rieping, Metchthild

Bielefeld

DE

Witteck, Birgit

Dissen Bielefeld DE DE

US-CL-CURRENT: <u>435/106</u>; <u>435/193</u>, <u>435/252.3</u>, <u>435/320.1</u>, <u>435/69.1</u>, <u>536/23.2</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw, D
Image											

12. Document ID: US 20020176884 A1

L5: Entry 12 of 16

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020176884

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020176884 A1

TITLE: Process for the fermentative preparation of D-pantothenic acid and/or salts thereof

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME CITY

Werther

STATE

COUNTRY

RULE-47

Dusch, Nicole

DE

Marx, Achim Pfefferle, Walter Halle Halle DE DE

Thierbach, Georg

Bielefeld

DE

US-CL-CURRENT: 424/442; 435/106, 435/252.3

Title Citation Front Review Classification Date Reference Sequences Attachments KWMC Draw, Desc 13. Document ID: US 20020173010 A1 L5: Entry 13 of 16 File: PGPB Nov 21, 2002 PGPUB-DOCUMENT-NUMBER: 20020173010 PGPUB-FILING-TYPE: new DOCUMENT-IDENTIFIER: US 20020173010 A1 TITLE: Process for preparation of D-pantothenic acid and/or salts thereof PUBLICATION-DATE: November 21, 2002 INVENTOR-INFORMATION: **NAME CITY STATE COUNTRY** RULE-47 Rieping, Mechthild Bielefeld DE US-CL-CURRENT: <u>435/106</u>; <u>435/252.33</u> Title Citation Front Review Classification Date Reference Sequences Attachments KVMC | Drawd Desc



File: PGPB

PGPUB-DOCUMENT-NUMBER: 20020150999

PGPUB-FILING-TYPE: new

L5: Entry 14 of 16

DOCUMENT-IDENTIFIER: US 20020150999 A1

TITLE: Process for the fermentative preparation of D-pantothenic acid using coryneform bacteria

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Dusch, Nicole

Werther

DE

Thomas, Hermann

Bielefeld

DE

Thierbach, Georg

Bielefeld

DE

US-CL-CURRENT: 435/106; 435/193, 435/252.3, 435/320.1, 435/6

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Image

15. Document ID: US 20020086373 A1

L5: Entry 15 of 16

File: PGPB

Jul 4, 2002

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020086373

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086373 A1

TITLE: Nucleotide sequences which code for the cysD, cysN, cysK, cysE and cysH genes

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

CITY	STATE	COUNTRY	RULE-47
Bielefeld		DE	
Gelnhausen		DE	
Bielefeld		DE	
Salzkotten		DE	
Halle		DE	
Steinhagen		DE	
Niddatal		DE	
Bielefeld		DE	
	Bielefeld Gelnhausen Bielefeld Salzkotten Halle Steinhagen Niddatal	Bielefeld Gelnhausen Bielefeld Salzkotten Halle Steinhagen Niddatal	Bielefeld DE Gelnhausen DE Bielefeld DE Salzkotten DE Halle DE Steinhagen DE Niddatal DE

US-CL-CURRENT: 435/115; 435/193, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full Title Citation Front Review Class	ification Date Reference Sequences Attachments	KVMC Draw Desc
☐ 16. Document ID: US 66239	944 B2 File: USPT	Sep 23, 2003
US-PAT-NO: 6623944 DOCUMENT-IDENTIFIER: US 6623944 B2		
TITLE: Process for preparation of D-pantothenic	acid and/or salts thereof	

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Rieping; Mechthild

Bielefeld

DE

US-CL-CURRENT: <u>435/146</u>; <u>426/7</u>, <u>435/190</u>, <u>435/252.33</u>, <u>435/320.1</u>, <u>536/23.2</u>

Full Title Citati nage	on Front Review Classification Date Ref	erence Sequences Attachments	KWIC Draw.
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13 and degus\$3.as.		16	

(FILE 'HOME' ENTERED AT 12:53:45 ON 21 NOV 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 12:54:02 ON 21 NOV 2003

SEA PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (

- 2 FILE BIOTECHABS
- 2 FILE BIOTECHDS
- 3 FILE CAPLUS
- 13 FILE DGENE
- 1 FILE EMBASE
- 0* FILE FEDRIP
- 2 FILE FROSTI
- 5 FILE GENBANK
- 2 FILE IFIPAT
- 1 FILE RDISCLOSURE
- 2 FILE TOXCENTER
- 71 FILE USPATFULL
- 3 FILE USPAT2
- 2 FILE WPIDS
- 2 FILE WPINDEX
- L1 QUE PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (

FILE 'USPATFULL, DGENE, GENBANK, CAPLUS, USPAT2' ENTERED AT 12:57:36 ON 21 NOV 2003

- L2 95 S PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (PO
- L3 92 DUP REM L2 (3 DUPLICATES REMOVED)
- L4 21 S PANTOTH? (S) (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) (S) (PO
- L5 21 DUP REM L4 (0 DUPLICATES REMOVED)

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PASSWORD .

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        SEP 09
                 CA/CAplus records now contain indexing from 1907 to the
                 present
NEWS
         AUG 05
                 New pricing for EUROPATFULL and PCTFULL effective
                 August 1, 2003
NEWS
         AUG 13
                 Field Availability (/FA) field enhanced in BEILSTEIN
         AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS
NEWS
      7
        AUG 18
                 Simultaneous left and right truncation added to PASCAL
NEWS
        AUG 18
                 FROSTI and KOSMET enhanced with Simultaneous Left and Righ
                 Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11
        SEP 25 INPADOC: Legal Status data to be reloaded
        SEP 29 DISSABS now available on STN
NEWS 12
NEWS 13
         OCT 10
                PCTFULL: Two new display fields added
NEWS 14
        OCT 21
                BIOSIS file reloaded and enhanced
NEWS 15
        OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
             MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
              AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 12:54:02 ON 21 NOV 2003

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view

search error messages that display as 0* with SET DETAIL OFF.

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=> s pantoth? and (corynefor? or glutamic? or corynebact?) and (poxb? or (pyruvat?(s)oxidas?))
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- 2 FILE BIOTECHABS
- 2 FILE BIOTECHDS
- 3 FILE CAPLUS
- 13 FILE DGENE

26 FILES SEARCHED...

- 1 FILE EMBASE
- 0* FILE FEDRIP
- 2 FILE FROSTI
- 5 FILE GENBANK
- 2 FILE IFIPAT
- 1 FILE RDISCLOSURE

59 FILES SEARCHED...

- 2 FILE TOXCENTER
- 71 FILE USPATFULL
- 3 FILE USPAT2
- 2 FILE WPIDS
- 2 FILE WPINDEX
- 14 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX
- L1 QUE PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (POXB? OR (PYRUVAT?(S) OXIDAS?))

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=> d rank
F1
             71
                  USPATFULL
F2
             13
                  DGENE
F3
              5
                  GENBANK
F4
              3
                  CAPLUS
F5
              3
                  USPAT2
F6
              2
                  BIOTECHABS
F7
                  BIOTECHDS
              2
F8
              2
                  FROSTI
F9
              2
                  IFIPAT
F10
              2
                  TOXCENTER
F11
              2
                  WPIDS
F12
              2
                  WPINDEX
F13
              1
                  EMBASE
F14
              1
                  RDISCLOSURE
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=> file f1-f5

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 3.30 3.51

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 12:57:36 ON 21 NOV 2003 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 12:57:36 ON 21 NOV 2003 COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'GENBANK' ENTERED AT 12:57:36 ON 21 NOV 2003

FILE 'CAPLUS' ENTERED AT 12:57:36 ON 21 NOV 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 12:57:36 ON 21 NOV 2003 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s pantoth? and (corynefor? or glutamic? or corynebact?) and (poxb? or (pyruvat?(s)oxidas?))

L2 95 PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (POXB? OR (PYRUVAT?(S) OXIDAS?))

DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE PROCESSING COMPLETED FOR L2

92 DUP REM L2 (3 DUPLICATES REMOVED)

=> s pantoth? (s) (corynefor? or glutamic? or corynebact?) (s) (poxb? or (pyruvat?(s)oxidas?))

21 PANTOTH? (S) (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) (S) (POXB? OR (PYRUVAT?(S) OXIDAS?))

=> dup rem 14 DUPLICATE IS NOT AVAILABLE IN 'DGENE, GENBANK'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE PROCESSING COMPLETED FOR L4 21 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ti 14 1-24

- ANSWER 1 OF 21 USPATFULL on STN
- Nucleotide sequence of the Mycoplasma genitalium genome, fragments TΤ thereof, and uses thereof
- L4ANSWER 2 OF 21 USPATFULL on STN
- Nucleotide sequence of the mycoplasma genitalium genome, fragments TIthereof, and uses thereof
- ANSWER 3 OF 21 USPATFULL on STN L4
- ТT Corynebacterium glutamicum genes encoding metabolic pathway proteins
- L4 ANSWER 4 OF 21 USPATFULL on STN
- TI Process for the fermentative preparation of D-pantothenic acid using coryneform bacteria
- L4ANSWER 5 OF 21 USPATFULL on STN
- Aptamers specific for biomolecules and methods of making ΤI
- L4 ANSWER 6 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN TI
- Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 7 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN L4
- Fermentative production of D-pantothenic acid (I), useful e.g. TIin animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 8 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN L4тT
- Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene -
- ANSWER 9 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN L4
- TI Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 10 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN L4
- Fermentative production of D-pantothenic acid (I), useful e.g. TI in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- L4ANSWER 11 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
- Fermentative production of D-pantothenic acid (I), useful e.g. ΤI in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- L4ANSWER 12 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT ON STN
- Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene

- L4ANSWER 13 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
- ΤI Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- L4ANSWER 14 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT On STN
- Fermentative production of D-pantothenic acid (I), useful e.g. TΤ in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 15 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
- ΤT Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- L4ANSWER 16 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
- ΤI Fermentative production of D-pantothenic acid (I), useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- L4ANSWER 17 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
- Fermentative production of D-pantothenic acid (I), useful e.g. TI in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 18 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT On STN L4
- Fermentative production of D-pantothenic acid (I), useful e.g. ΤI in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate oxidase gene
- ANSWER 19 OF 21 GENBANK.RTM. COPYRIGHT 2003 on STN

TITLE (TI):

Sequencing and analysis of the genome of the Whipple's

28p

disease bacterium Tropheryma whipplei

TITLE (TI): Direct Submission

- ANSWER 20 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN
- TIFermentative production of D-pantothenic acid using genetically engineered Corynebacteria
- ANSWER 21 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN 1.4
- Process for the fermentative preparation of D-pantothenic acid using coryneform bacteria with poxb gene being eliminated

=> d ibib abs 14 18 20 21

ANSWER 18 OF 21 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN DGENE

ACCESSION NUMBER: ABL58754 DNA

TITLE: Fermentative production of D-pantothenic acid (I),

useful e.g. in animal nutrition, from coryneform bacteria with reduced activity of the pyruvate

oxidase gene

INVENTOR: Dusch N; Herrmann T; Thierbach G

PATENT ASSIGNEE: (DEGS) DEGUSSA AG.

PATENT INFO: DE 10117085 A1 20020411 APPLICATION INFO: DE 2001-10117085 20010406

PRIORITY INFO: DE 2000-10048604 20000930

DOCUMENT TYPE: Patent LANGUAGE: German

OTHER SOURCE: 2002-363950 [40] CROSS REFERENCES: P-PSDB: ABB79447

Corynebacterium poxB encoding polynucleotide SEQ ID NO 1. DESCRIPTION:

AN ABL58754 DNA DGENE

pantothenic acid (I) by growing a (I)-producing

coryneform bacterium in which the activity of at least the

The invention relates to the fermentative production of D-

sequence poxB (ABL58754, ABL58756) encoding pyruvate

oxidase (ABB58755, EC 1.2.2.2) has been weakened, especially switched off. (I) is then recovered from medium or cells. (I) is a vitamin useful in human medicine, the pharmaceutical and food industries and particularly in animal nutrition. Reducing the activity of poxB improves fermentative production of (I).

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ANSWER 20 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:
                           2002:773699 CAPLUS
DOCUMENT NUMBER:
                           137:277936
TITLE:
                           Fermentative production of D-pantothenic acid using
                           genetically engineered Corynebacteria
INVENTOR(S):
                           Dusch, Nicole; Marx, Achim; Pfefferle, Walter;
                           Thierbach, Georg
PATENT ASSIGNEE(S):
                           Degussa AG, Germany
SOURCE:
                           Eur. Pat. Appl., 11 pp.
                           CODEN: EPXXDW
DOCUMENT TYPE:
                           Patent
LANGUAGE:
                           German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
     PATENT NO.
                     KIND DATE
                                              APPLICATION NO. DATE
     ______
                                              -----
     EP 1247868 A2 20021009
EP 1247868 A3 20021030
                                            EP 2002-1400
                                                                20020119
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     DE 10116519
                     A1
A1
                             20021017
                                              DE 2001-10116519 20010403
     US 2002176884
                              20021128
                                             US 2001-983167 20011023
PRIORITY APPLN. INFO.:
                                           DE 2001-10116519 A 20010403
                                           US 2001-983167 A 20011023
     A process is provided for the fermentative prodn. of D-pantothenic acid or
     its salts by fermn. with coryneform bacteria with the intended use as a
     feed additive. Specifically, the process calls for a coryneform bacteria
     where the gene glyA overexpression has been genetically engineered. Thus,
     the plasmid pVWEx2glyA was introduced into Corynebacterium glutamicum
     strain ATCC 13032.DELTA.ilvA/pND-D2 by electroporation. The transformed
     strain produced 51 .mu.g/L of D-pantothenate compared to 30 .mu.g/L for
     the parent strain.
     ANSWER 21 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:
                          2002:276126 CAPLUS
DOCUMENT NUMBER:
                          136:308622
TITLE:
                          Process for the fermentative preparation of D-
                          pantothenic acid using coryneform
                          bacteria with poxb gene being eliminated
                          Dusch, Nicole; Hermann, Thomas; Thierbach, Georg
INVENTOR(S):
PATENT ASSIGNEE(S):
                          Degussa A.-G., Germany
SOURCE:
                          PCT Int. Appl., 46 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:
                          Patent
LANGUAGE:
                          English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:
                     KIND DATE
     PATENT NO.
                                             APPLICATION NO. DATE
     -----
                                             -----
     WO 2002029020 A1 20020411
                                           WO 2001-EP10212 20010905
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
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A1 20020411

A1 20030625

A1 20021017

20020415

A5

DE 2001-10117085 20010406

20010905

20010905

20011001

AU 2001-91825

EP 2001-972003

US 2001-965825

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

DE 10117085

EP 1320586

AU 2001091825

US 2002150999

* a . PRIORITY APPLN. INFO.: DE 2000-10048604 A 20000930 DE 2001-10117085 A 20010406 DE 2000-10047142 A 20000923 WO 2001-EP10212 W 20010905 AB The invention provides a process for the improved fermentative prepn. of D-pantothenic acid using coryneform bacteria in which the the nucleotide sequence of poxB gene which codes for pyruvate oxidase (EC 1.2.2.2) is attenuated, in particular eliminated. The following steps being carried out: (a) fermn. of D-pantothenic acid-producing bacteria in which at least the gene which codes for pyruvate oxidase PoxB is attenuated; (b) concn. of the D-pantothenic acid in the medium or in the cells of the bacteria; and (c) isolation of the D-pantothenic acid produced. The strains employed optionally already produce D-pantothenic acid before attenuation of the poxB gene. A new nucleotide sequences, which lie upstream and downstream of the poxB gene region have been found. It has been found that these polynucleotides are useful in the prodn. of mutants with an attenuated, in particular eliminated, poxB gene. It has also been found that coryneform bacteria produce pantothenic acid in an improved manner after attenuation of the poxB gene. REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT => d his (FILE 'HOME' ENTERED AT 12:53:45 ON 21 NOV 2003) INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 12:54:02 ON 21 NOV 2003 SEA PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (2 FILE BIOTECHABS 2 FILE BIOTECHDS 3 FILE CAPLUS 13 FILE DGENE FILE EMBASE 1 0* FILE FEDRIP 2 FILE FROSTI 5 FILE GENBANK FILE IFIPAT 2 FILE RDISCLOSURE 2 FILE TOXCENTER 71 FILE USPATFULL FILE USPAT2 FILE WPIDS FILE WPINDEX T.1 QUE PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (FILE 'USPATFULL, DGENE, GENBANK, CAPLUS, USPAT2' ENTERED AT 12:57:36 ON 21 NOV 2003

95 S PANTOTH? AND (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) AND (PO L2 1.3 92 DUP REM L2 (3 DUPLICATES REMOVED)

L421 S PANTOTH? (S) (CORYNEFOR? OR GLUTAMIC? OR CORYNEBACT?) (S) (PO

 L_5 21 DUP REM L4 (0 DUPLICATES REMOVED)

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SESSION WILL BE HELD FOR 60 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 13:00:56 ON 21 NOV 2003